118TH CONGRESS 2D SESSION

H.R.8663

AN ACT

- To require the Science and Technology Directorate in the Department of Homeland Security to develop greater capacity to detect, identify, and disrupt illicit substances in very low concentrations.
- 1 Be it enacted by the Senate and House of Representa-
- 2 tives of the United States of America in Congress assembled,

1 SECTION 1. SHORT TITLES.

2	This Act may be cited as the "Detection Equipment				
3	and Technology Evaluation to Counter the Threat of				
4	Fentanyl and Xylazine Act of 2024" or the "DETECT				
5	Fentanyl and Xylazine Act of 2024".				
6	SEC. 2. ENHANCING THE CAPACITY TO DETECT, IDENTIFY				
7	AND DISRUPT DRUGS SUCH AS FENTANYL				
8	AND XYLAZINE.				
9	Section 302 of the Homeland Security Act of 2002				
10	(6 U.S.C. 182) is amended—				
11	(1) in paragraph (13), by striking "and" at the				
12	end;				
13	(2) in paragraph (14), by striking the period at				
14	the end and inserting "; and; and				
15	(3) by adding at the end the following:				
16	"(15) carrying out research, development, test-				
17	ing, evaluation, and cost-benefit analyses to improve				
18	the safety, effectiveness, and efficiency of equipment				
19	and reference libraries for use by Federal, State,				
20	local, Tribal, and territorial law enforcement agen-				
21	cies for the accurate detection of drugs or the dis-				
22	ruption of drug trafficking for drugs such as				
23	fentanyl and xylazine, including, but not limited to—				
24	"(A) portable equipment that can detect				
25	and identify drugs with minimal or no handling				
26	of the sample;				

1 "(B) equipment that can separate complex
2 mixtures containing low concentrations of drugs
3 and high concentrations of cutting agents into
4 their component parts to enable signature ex5 traction for field identification and detection;
6 and

"(C) technologies that use machine learning or artificial intelligence (as defined in section 5002 of the National Artificial Intelligence Initiative Act of 2020 (15 U.S.C. 9401)) and other techniques to predict whether the substances in a sample are controlled substance analogues or other new psychoactive substances not yet included in available reference libraries.".

16 SEC. 3. REQUIREMENTS.

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- In carrying out section 302(15) of the Homeland Se-18 curity Act of 2002, as added by section 2, the Under Sec-19 retary for Science and Technology shall—
- 20 (1) follow the recommendations, guidelines, and 21 best practices described in the Artificial Intelligence 22 Risk Management Framework (NIST AI 100–1) or 23 any successor document published by the National 24 Institute of Standards and Technology; and

(2) establish the Directorate of Science and 1 2 Technology's research, development, testing, evalua-3 tion, and cost-benefit analysis priorities under such section 302(15) based on the latest available infor-4 mation, including the latest State and Territory Re-5 6 port on Enduring and Emerging Threats published by the Drug Enforcement Administration or any 7 8 successor document.

Passed the House of Representatives September 9, 2024.

Attest:

Clerk.

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